

**Work Order ID 55195**

January 11, 2010 1:05:21 PM



Page 1

Item ID: D4027-1

Accept



Setup Start



Revision ID:

Stop



Item Name: Hose Clamp

Start Date: 1/11/10 Start Qty: 10.00



Cust Item ID:

Required Date: 1/29/10 Req'd Qty: 10.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run HoursDraw  
NumberDraw  
Rev.Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

D4027

A-PRELIM

100

0.00



Purchasing

Memo

0.00

Purchasing

Issue P/O: 11082

Purchase part as per Dwg D4027

Part #: 200-56S

Possible Supplier: Breeze

Material release note required

CZ 11/01/11(10)

110

Receive &amp; Inspect for Damage &amp; Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

P 01/11/11 (10)**PRELIMINARY ISSUE**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 55195

January 11, 2010 1:05:21 PM



Page 2

Item ID:	D4027-1	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Hose Clamp					
Start Date:	1/11/10	Start Qty:	10.00		Cust Item ID:	
Required Date:	1/29/10	Req'd Qty:	10.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120  QC Quality Control	QC6- Inspect dimensions to drawing  Memo	0.00 0.00							
			810 → 10/01/20						
130  Packaging Packaging	Identify as per dwg & Stock Location: 451  Memo	0.00 0.00							
			810 → 10/18/25						
140  QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00 0.00							
			10/08/27						

POSITIVE RECALL  
 EFFECTIVE 10/01/13 AUTH   
 RELEASED DATE 10/26/13

10/10-2-19  
 (10)

W/O: 55195		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
1007-26	121	Drill hole per dwg.	M.H.	10/08/24	8x			
1007-26	122	QC5 to Red A.Dwg.	S	10/08/25	(x5)			
		Added to I.P.P. per change	B	10.08.24				

Part No: D4027-1 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

January 11, 2010 1:05:20 PM

Page 1

Work Order ID: 55195



Parent Item: D4027-1



Parent Item Name: Hose Clamp



Start Date: 1/11/10

Required Date: 1/29/10

Comments: IPP rev A 09.12.23 new Issue Prelim EC verified by: DD

Start Qty: 10.00

Required Qty: 10.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
200-56S  Hose Clamp		Purchased	No				Each	0.0000	10.0000 	<i>Rec'd 1/19</i> <i>60</i>		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

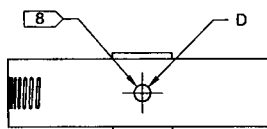
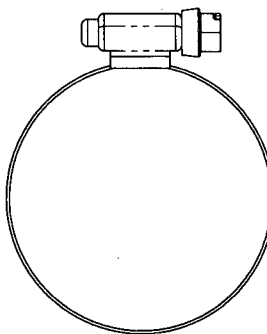
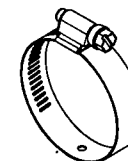
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4027-1	REF JCA-M47-2-20
D4027-3	REF JCA-M47-2-35

## SPECIFICATION CONTROL DRAWING



*Don*

*Q14 8 ea*

DART PART NUMBER	SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	HOLE DIAMETER "D"	JOHN CAMERON AVIATION PART NUMBER
D4027-1	BREEZE	200-56S	STAINLESS STEEL	0.138	REF JCA-M47-2-20
D4027-3	BREEZE	200-36S	STAINLESS STEEL	0.138	REF JCA-M47-2-35

### D4027-X HOSE CLAMP

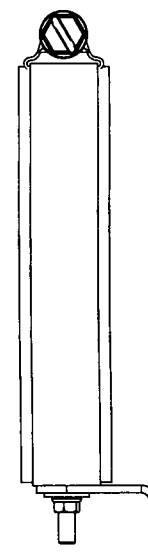
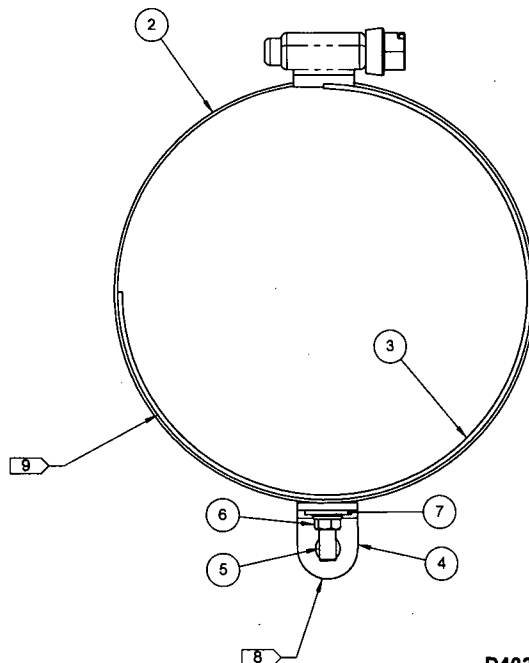
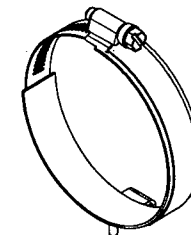
**PRELIMINARY  
ISSUE**

#### NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-X" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.01 lbs
- 8) DRILL  $\varnothing 0.138$  HOLE AS SHOWN OPPOSITE WORM DRIVE SCREW, DIMPLE HOLE FOR MS24693S28 SCREW

DESIGN	<i>DE</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>DE</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4027	SHEET 3 OF 6
APPROVED		TITLE	SCALE
DE APPR.		HOSE CLAMP	NTS
DATE	09.11.04	<small>COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4027-041	HOSE CLAMP ASSEMBLY	JCA-M47-2-20
2	1	D4027-1	HOSE CLAMP	
3	1	D4027-5	RUBBER CUSHION	
4	1	D4027-9	BRACKET, SUPPORT ANGLE	
5	1	MS24693S28	SCREW	
6	1	MS21042L06	NUT	
7	1	NAS1149DN632J	WASHER	



**D4027-041 HOSE CLAMP ASSEMBLY**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.02 lbs
- 8) ATTACH D4027-9 BRACKET USING MS24693S28 SCREW, MS21042L06 NUT AND NAS1149FN632F WASHER
- 9) GLUE D4027-5 RUBBER CUSHION TO D4027-1 CLAMP USING 3M CONTACT CEMENT IN POSITION AS SHOWN

**PRELIMINARY  
ISSUE**

A	NEW ISSUE		09.11.04
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.11.04		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

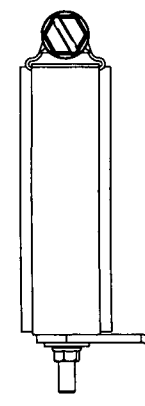
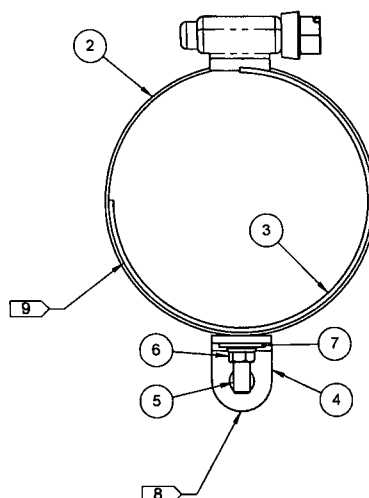
DRAWING NO. **D4027** REV. A  
SHEET 1 OF 6

TITLE **HOSE CLAMP** SCALE NTS

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ITEM NO.	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4027-043	HOSE CLAMP ASSEMBLY	JCA-M47-2-35
2	1	D4027-3	HOSE CLAMP	
3	1	D4027-7	RUBBER CUSHION	
4	1	D4027-9	BRACKET, SUPPORT CLAMP	
5	1	MS24693S28	SCREW	
6	1	MS21042L06	NUT	
7	1	NAS1149DN632J	WASHER	



**D4027-043 HOSE CLAMP ASSEMBLY**

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.02 lbs
- 8) ATTACH D4027-9 BRACKET USING MS24693S28 SCREW, MS21042L06 NUT AND NAS1149FN632F WASHER
- 9) GLUE D4027-7 RUBBER CUSHION TO D4027-3 CLAMP USING 3M CONTACT CEMENT IN POSITION AS SHOWN

**PRELIMINARY  
ISSUE**

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CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4027	SHEET 2 OF 6
APPROVED		TITLE	SCALE
DE APPR.		HOSE CLAMP	NTS
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Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

\*\*\*PO REPRINT\*\*\*

Purchase Order ID PO11082

Purchase Order Date 1/11/10

PO Print Date 1/11/10

Page Number 1 of 1

From : VC-AVI001

IAL  
BOX 9534 STATION A  
RONTON, ON M5W 2K3

Buyer	Chantal Lavoie
Requisition Nbr	
Tax Resale Nbr	10127-2607
Terms	Net 30
Currency	CAD
FOB	

DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Reference	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
200-56S	Hose Clamp	1/29/10 Yes	10.00 Each	FedEx PI ppd	\$5.0800	\$50.80
Special Inst: AS PER DWG D4027 REV. A- PRELIM B55195 BREEZE P/N: 200-56S OR QS200M56S						
200-36S	Hose Clamp	1/29/10 Yes	10.00 Each	FedEx PI ppd	\$2.2400	\$22.40
Special Inst: AS PER DWG D4027 REV. A- PRELIM B55196 BREEZE P/N: 200-36S OR QS200M36S						

PO Total: \$73.20

CERTIFICATE OF CONFORMITY  
REQ'D UPON DELIVERY

CL

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

ge Nbr: 3

Change Date: 1/11/10

REQUISITION: 869673  
Deliver Sequence:

From Company: 1  
From Location: 08200

REQUESTER: 22611  
For: 34170

MCLELLAND, LAURA

Requested Delivery Date: 01/18/10

Deliver To: F1-40-15

Document: 0869673000

Received by

Ship To DART AEROSPACE  
1270 ABERDEEN STREET

HAWKESBURY ONTARIO K6A 1K7

CANADA ATTN: BRIDGETTE PH: 613-632-9577

LINE	MFG	ITEM DESCRIPTION	Ordered	Open	Shipped	Backorder	Ext Amt
------	-----	------------------	---------	------	---------	-----------	---------

ED X P1 COLLECT ON CUSTOMER ACCT  
517-9324-0. SHIP DIRECT TO DART  
EROSPACE, 1270 ABERDEEN STREET,  
HAWKESBURY ONTARIO K6A 1K7 ATTN:  
BRIDGETTE PHONE: 613-632-9577

1 28 20056S

S. 10/20

10 EA

Shp#: 5381192

10

117.1720

CLAMP SLOT (10/20)  
Schedule B: 8803300010

LOT 1008068858 EA

10

51.6780

2 28 20036S

CLAMP S (10/30)  
Schedule B: 8803300010

10 EA

Shp#: 5381192

10

LOT 0308914587 EA

10

TOTAL

168.8500

### CERTIFICATE OF CONFORMANCE

As the Quality Manager of Aviall, I hereby certify that we are an approved distributor and meet all requirements of ISO 9001-2000 and AC00-56, at 2750 Regent Blvd. DFW Airport, Texas. The part(s) on this document are in new or newly overhauled condition and were purchased from an approved source (FAA, Mil Spec, or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location and are available upon request. On newly overhauled or repaired products, the original FAA 8130-3 (return to service) or yellow tag, from the FAA approved overhaul shop, are attached to the component.

Signature

*Dave Taylor*

Dave Taylor, Manager, Quality

Date

01/18/10

These Commodities, Technologies or Software were exported from the United States in accordance with the export administration regulations. Diversion contrary to U.S. law is prohibited. The items may not be used directly or indirectly, in prohibited nuclear, chemical, biological or missile weapon activities.

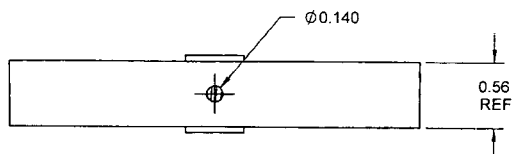
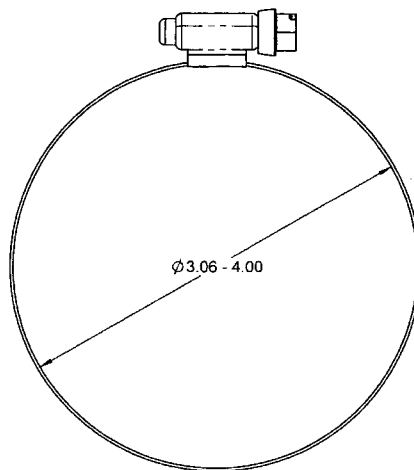
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR STANDARDS ACT OF 1938 AS AMENDED.

DART AEROSPACE  
PART NUMBER

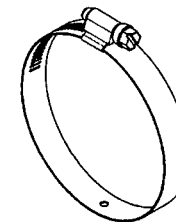
D4027-1

JOHN CAMERON AVIATION  
PART NUMBER

REF JCA-M47-2-20



**D4027-1 HOSE CLAMP**



**NOTES:**

- 1) MATERIAL: MADE FROM QS200M56S
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4027-1" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.05 lbs
- 8) DRILL Ø 0.140 HOLE AS SHOWN OPPOSITE WORM DRIVE SCREW, DIMPLE HOLE FROM INSIDE FOR MS24693S28 SCREW

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. <b>D4027</b>	REV. A
MFG. APPR.			SHEET 3 OF 7
APPROVED		TITLE <b>CLAMP</b>	SCALE
DE APPR.			NTS
DATE	10.04.16	<small>           COPYRIGHT © 2010 BY DART AEROSPACE LTD            THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS            NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT            WRITTEN PERMISSION FROM DART AEROSPACE LTD         </small>	

55195  
RELEASED  
2010-05-15  
JMS